

Title (en)
VIBRATION GRINDING CLASSIFIER

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EP 0451290 A4 19920415 (EN)

Application
EP 90915824 A 19901026

Priority
JP 28547989 A 19891031

Abstract (en)
[origin: WO9106370A1] A vibration grinding classifier for a mineral material, which is simple in construction, compact in size and capable of offering a satisfactory classifying accuracy. This classifier is provided with a vibration motor (3) for oscillating grinding media in an annular vibration tank (1) containing therein a multitude of grinding media for grinding a powdery material (P) and a supply opening for the material (P). The lower part of the tank (1) serves as a grinding chamber (1a) in which the opening width in the radial direction is progressively increased from the bottom upward. The bottom plate of the grinding chamber is provided with a multitude of perforations (4a) for feeding air, which communicate with an air opening (4) for a classifying gas. The upper part of the tank (1) acts as a classifying chamber (1b) extending upwardly with the same opening width as that at the top end of the grinding chamber maintained. The top of the classifying chamber is provided with a discharge opening (7) through which a ground article of an intended particle size or below is discharged together with the classifying gas blown up through the perforations (4a).

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Citation (search report)

- No further relevant documents have been disclosed
- See references of WO 9106370A1

Cited by
CN106994380A; ES2053393A1; EP0997196A3; EP1908523A1; FR2906735A1

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